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FORM PTO-1449

THIRD INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
1875.0370000APPLICATION NO.
09/849,537APPLICANT
*Zhang et al.*FILING DATE
May 7, 2001GROUP
2822U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
ML	AA1	5,045,921	09/1991	Lin <i>et al.</i>			
	AB1	5,397,917	03/1995	Ommen <i>et al.</i>			
	AC1	5,490,324	02/1996	Newman			
	AD1	5,578,869	11/1996	Hoffman <i>et al.</i>			
	AE1	5,642,261	06/1997	Bond <i>et al.</i>			
	AF1	5,796,170	08/1998	Marcantonio			
	AG1	5,798,909	08/1998	Bhatt <i>et al.</i>			
	AH1	5,843,808	12/1998	Karnezos			
	AI1	5,844,168	12/1998	Schueler <i>et al.</i>			
JK	AJ1	5,889,324	03/1999	Suzuki			
JK	AK1	5,903,052	05/1999	Chen <i>et al.</i>			

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
ML	AL1	10-247703	09/1998	Japan	H01L	23/12	Yes No
ML	AM1	61-49446	03/1986	Japan	H01L	23/26	Yes No
	AN1			,			Yes No
	AO1			,			Yes No
	AP1			,			Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

ML	AR	1	English-language Abstract of JP 10-247703, published September 14, 1998, 1 page.
ML	AS	1	Karnezos, M., "An EPBGA Alternative," <i>Advanced Packaging</i> , June 1998, pages 90, 92, 94, and 96.
ML	AT	1	English-language Abstract of JP 61-49466, published March 11, 1986, 1 page.

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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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		APPLICANT <i>Zhang et al.</i>	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
ML	AA2 ✓	5,999,415	12/1999	Hamzehdoost			
	AB2 ✓	6,028,358	02/2000	Suzuki			
	AC2 ✓	6,057,601	05/2000	Lau et al.			
	AD2	6,122,171	09/2000	Akram et al.			
	AE2	6,212,070 B1	04/2001	Atwood et al.			
	AF2	6,242,279 B1	06/2001	Ho et al.			
	AG2	6,380,623 B1	04/2002	Demore			
	AH2	2002/0053731 A1	—	Chao et al.	257	706	06/15/2001
	AI2	2002/0072214 A1	—	Yuzawa et al.	438	613	11/13/2001
ML	AJ2	2002/0096767 A1	—	Cote et al.	257	738	01/25/2001
ML	AK2	2002/0098617 A1	—	Lee et al.	438	106	09/18/2001

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL2						Yes No
	AM2						Yes No
	AN2						Yes No
	AO2						Yes No
	AP2						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

ML	AR	2	Zhao, Z., Ph.D., "Thermal Design and Modeling of Packages," <i>IEEE Short Courses</i> , Broadcom Corporation, October 25, 2000, 95 pages.
ML	AS	2	Zhao, Z., Ph.D., "IC Package Thermal Issues and Thermal Design," ASAT, Inc., January 14, 2000, 98 pages, presented at 2 nd International Icepak User's Group Meeting, Palo Alto, CA, on February 7, 2000.
	AT	2	

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
VM		AA3 2002/0180040 A1	--	Camenforte et al.	257	738	05/30/2001
		AB3 5,438,216	08/1995	Juskey et al.			
		AC3 5,801,432	09/1998	Rostoker et al.			
		AD3 5,953,589	09/1999	Shim et al.			
		AE3 6,069,407	05/2000	Hamzehdoost			
		AF3 09/783,034	--	Khan et al.	--	--	02/15/2001
VM		AG3 10/020,207	--	Khan et al.	--	--	12/18/2001
		AH3					
		AI3					
		AJ3					
		AK3					

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
		AL3					Yes No
		AM3					Yes No
		AN3					Yes No
		AO3					Yes No
		AP3					Yes No

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